

# GRAFTON COUNTY, NEW HAMPSHIRE (ALL JURISDICTIONS)

COMMUNITY NAME	COMMUNITY NUMBER	COMMUNITY NAME	COMMUNITY NUMBER
ALEXANDRIA, TOWN OF	330041	HOLDERNESS, TOWN OF	330059
ASHLAND, TOWN OF	330042	LANDAFF, TOWN OF	330060
BATH, TOWN OF	330043	LEBANON, CITY OF	330061
BENTON, TOWN OF*	330044	LINCOLN, TOWN OF	330062
BETHLEHEM, TOWN OF	330045	LISBON, TOWN OF	330063
BRIDGEWATER, TOWN OF	330046	LITTLETON, TOWN OF	330064
BRISTOL, TOWN OF	330047	LYMAN, TOWN OF	330066
CAMPTON, TOWN OF	330048	LYME, TOWN OF	330067
CANAAN, TOWN OF	330049	MONROE, TOWN OF	330068
DORCHESTER, TOWN OF	330050	ORANGE, TOWN OF	330069
EASTON, TOWN OF	330051	ORFORD, TOWN OF	330070
ELLSWORTH, TOWN OF	330205	PIERMONT, TOWN OF	330071
ENFIELD, TOWN OF	330052	PLYMOUTH, TOWN OF	330072
FRANCONIA, TOWN OF	330053	RUMNEY, TOWN OF	330073
GRAFTON COUNTY,	330003	SUGAR HILL, TOWN OF	330074
UNINCORPORATED AREAS*		THORNTON, TOWN OF	330075
GRAFTON, TOWN OF	330054	WARREN, TOWN OF	330168
GROTON, TOWN OF	330055	WATERVILLE VALLEY,	330077
HANOVER, TOWN OF	330056	TOWN OF	
HAVERHILL, TOWN OF	330057	WENTWORTH, TOWN OF	330078
HEBRON, TOWN OF	330058	WOODSTOCK, TOWN OF	330079

\*No Special Flood Hazard Areas Identified

REVISED:

PRELIMINARY 04/14/2017

**Grafton County** 



Federal Emergency Management Agency

FLOOD INSURANCE STUDY NUMBER 33009CV003B

# NOTICE TO FLOOD INSURANCE STUDY USERS

Communities participating in the National Flood Insurance Program have established repositories of flood hazard data for floodplain management and flood insurance purposes. This Flood Insurance Study (FIS) may not contain all data available within the repository. It is advisable to contact the community repository for any additional data.

Part or all of this FIS may be revised and republished at any time. In addition, part of this FIS may be revised by the Letter of Map Revision process, which does not involve republication or redistribution of the FIS. It is, therefore, the responsibility of the user to consult with community officials and to check the community repository to obtain the most current FIS components.

Initial Countywide FIS Effective Date: February 20, 2008

Revised Countywide FIS Date:

## $\underline{TABLE\ OF\ CONTENTS}-Volume\ 1$

			Page
1.0	INT	RODUCTION	1
	1.1	Purpose of Study	1
	1.2	Authority and Acknowledgments	1
	1.3	Coordination	6
2.0	ARE	CA STUDIED	8
	2.1	Scope of Study	8
	2.2	Community Description	10
	2.3	Principal Flood Problems	10
	2.4	Flood Protection Measures	16
3.0	ENG	SINEERING METHODS	18
	3.1	Hydrologic Analyses	19
	3.2	Hydraulic Analyses	32
	3.3	Vertical Datum	40
4.0	FLO	ODPLAIN MANAGEMENT APPLICATIONS	41
	4.1	Floodplain Boundaries	41
	4.2	Floodways	43
5.0	INSU	URANCE APPLICATIONS	74
6.0	FLO	OD INSURANCE RATE MAP	76
7.0	OTH	IER STUDIES	80
8.0	LOC	EATION OF DATA	80
9.0	BIBI	LIOGRAPHY AND REFERENCES	80

## $\underline{TABLE\ OF\ CONTENTS}-Volume\ 1\ \text{-}\ continued$

	<u>Page</u>
<u>FIGURES</u>	
Figure 1 - Frequency-Discharge, Drainage Area Curves	24-26
Figure 2 - Floodway Schematic	74
<u>TABLES</u>	
Table 1 - Initial and Final CCO Meetings	7
Table 2 - Flooding Sources Studied by Detailed Methods	8
Table 3 - Scope of Revision	9
Table 4 - Letters of Map Revision	9
Table 5 - Summary of Discharges	27-31
Table 6 - Summary of Stillwater Elevations	31
Table 7 - Manning's "n" Values	39-40
Table 8 - Floodway Data	45-73
Table 9 - Community Map History	77-79
Volume 2	
<u>APPENDICES</u>	
Appendix A - FIRM Notes to Users	86-88
Appendix B - Map Legend for FIRM	89-92
Appendix C - Map Repositories	93-95
Appendix D - Listing of NFIP Jurisdictions	96-111

### $\underline{TABLE\ OF\ CONTENTS}-Volume\ 2\text{ - continued}$

#### **EXHIBITS**

Emiliario	
Exhibit 1 - Flood Profiles	
Ammonoosuc River	Panels 01P – 14P
Baker Brook	Panels 15P – 16P
Baker River	Panels 17P – 31P
Beede Brook	Panel 32P
Clay Brook-Trout Brook	Panel 33P
Trout Brook	Panels $34P - 37P$
Cockermouth River	Panels 38P – 39P
Connecticut River	Panels 40P – 54P
Dells Brook	Panels 55P – 56P
East Branch Pemigewasset River	Panels 57P – 60P
East Branch Pemigewasset River Overflow	Panel 61P
Farr Brook	Panel 62P
Goose Pond Brook	Panels 63P – 64P
Grant Brook	Panels 65P – 69P

#### Volume 3

#### **EXHIBITS** - continued

Exhibit 1 - Flood Profiles (continued)	
Ham Branch	Panels 70P – 71P
Hewes Brook	Panels 72P – 75P
Indian River	Panels 76P – 81P
Knox River	Panels 82P – 83P
Lovejoy Brook	Panel 84P
Mascoma River	Panels 85P – 97P
Mink Brook	Panels 98P – 110P
Monahan Brook	Panels 111P – 112P
Newfound River	Panels 113P – 114P
Orange Brook	Panel 115P
Ore Hill Brook	Panels 116P – 117P
Owl Brook	Panels 118P – 119P
Palmer Brook	Panels 120P – 121P
Pemigewasset River	Panels 122P – 129P
Punch Brook	Panels 130P – 132P
Sanborn Mill Brook	Panel 133P
Slade Brook	Panels 134P – 136P
South Branch Baker River	Panel 137P
Stinson Brook	Panels 138P – 139P

# Exhibit 2 - Flood Insurance Rate Map Index Flood Insurance Rate Map











































































































































